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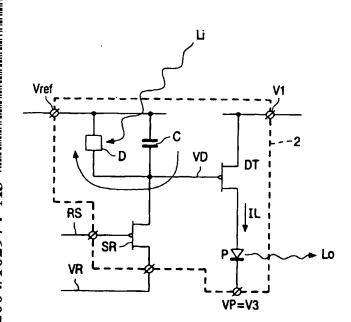
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(54) Title: DISPLAY SCREEN COMPRISING A PLURALITY OF CELLS



(57) Abstract: The display screen (5) comprises a plurality of cells (2). Each cell (2) comprises a pixel (P) able to generate light (Lo) when driven by an electrical signal (I), a driver circuit (A) for providing the electrical signal (I) and a photosensitive device (D) for receiving optical display signals (Li) to control the pixel (P) via the driver circuit (A). The display system (6) has the display screen (5) and an optical image source (3) for transmitting optical display signals (Li) to each photosensitive device (D) of the plurality of cells (2).

INTERNATIONAL SEARCH REPORT

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A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G09G3/32							
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B. FIELDS SEARCHED								
Minimum do	cumentation searched (classification system followed by classification	on symbols)						
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Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used)					
EPO-Internal, WPI Data								
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category *	Cilation of document, with indication, where appropriate, of the refe	evant passages	Relevant to claim No.					
Х	EP 1 096 466 A (AGILENT TECHNOLOGINC.) 2 May 2001 (2001-05-02) paragraphs '0005!, '0006!, '0026' figure 3	1-3,5,6						
Х	US 6 215 462 B1 (YAMADA HIROYASU 10 April 2001 (2001-04-10) column 6, line 41 - column 7, lir figure 3	1						
х	GB 2 118 803 A (* BRITISH BROADCA CORPORATION) 2 November 1983 (198 cited in the application page 2, lines 3-36; figure 4	1						
Α	the whole document		2-12					
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INTERNATIONAL SEARCH REPORT

formation on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1096466	Α	02-05-2001	JP US	2001147665 A 6392617 B1	29-05-2001 21-05-2002
US 6215462	B1	10-04-2001	JP	11085059 A	30-03-1999
GB 2118803	Α	02-11-1983	NONE		

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